

Attachment 4 Supplemental Documentation

- 4a Budget Supporting Information including Contracts and Bid Canvasses
- 4b April Treasurer's Report
- 4c Comparables

Attachment 4a

Budget Supporting Information including Contracts and Bid Canvasses

Upeng.com\pzdata\Clients\Consolidated ID-2004\20041002-South and Highland Basin_DOCUMENT\Specifications\Earthwork and Structures Contract\Bid Canvases

CONSOLIDATED IRRIGATION DISTRICT
SOUTH & HIGHLAND BASIN PROJECT
RECOVERY WELLS CONTRACT

CONSOLIDATED IRRIGATION DISTRICT
SOUTH & HIGHLAND BASIN PROJECT
RECOVERY WELLS CONTRACT

BID SCHEDULE

Well RW-101

Item	Description	Quantity	Unit	Unit Price	Total
1	Mobilization/Demobilization, Bonds, Insurance, Miscellaneous Facilities, Operations, and Worker Protection	1	LS	\$ <u>65,000</u>	\$ <u>65,000</u>
2	F&I 36-inch Diameter Conductor Casing	50	LF	\$ <u>460</u>	\$ <u>23,000</u>
3	Drill Pilot Hole (to 500 feet total depth)	450	LF	\$ <u>75</u>	\$ <u>33,750</u>
4	Perform Electric and Deviation Logs	1	LS	\$ <u>4,000</u>	\$ <u>4,000</u>
5	Open Hole to 30-inch Diameter (to 500 feet total depth)	450	LF	\$ <u>40</u>	\$ <u>18,000</u>
6	F&I 18-inch Diameter Blank Casing	180	LF	\$ <u>58</u>	\$ <u>10,440</u>
7	F&I 18-inch Diameter Perforated Casing	310	LF	\$ <u>90</u>	\$ <u>27,900</u>
8	F&I 2-inch Diameter Sounding Tube	395	LF	\$ <u>12</u>	\$ <u>4,740</u>
9	F&I 3-inch Diameter Gravel Fill Pipe	125	LF	\$ <u>12</u>	\$ <u>1,500</u>
10	F&I Gravel Pack	380	LF	\$ <u>47</u>	\$ <u>12,860</u>
11	F&I Annular Seal	120	LF	\$ <u>50</u>	\$ <u>6,000</u>
12	Preliminary Development	36	HR	\$ <u>380</u>	\$ <u>13,680</u>
13	Mob/Demob Development Pump and Pump up to 40 Hours	1	LS	\$ <u>20,700</u>	\$ <u>20,700</u>
14	Additional Pump Development and Test Pumping	20	HR	\$ <u>250</u>	\$ <u>5,000</u>
15	Perform Video Log	1	LS	\$ <u>950</u>	\$ <u>950</u>
16	Construct Well Pump Foundation	1	LS	\$ <u>4,800</u>	\$ <u>4,800</u>

00310-2

CONSOLIDATED IRRIGATION DISTRICT
SOUTH & HIGHLAND BASIN PROJECT
RECOVERY WELLS CONTRACT

Item	Description	Quantity	Unit	Unit Price	Total
Well RW-101 Subtotal (Items 1-16)					\$ <u>257,320</u>

Well RW-102

Item	Description	Quantity	Unit	Unit Price	Total
17	F&I 36-inch Diameter Conductor Casing	50	LF	\$ <u>460</u>	\$ <u>23,000</u>
18	Drill Pilot Hole (to 500 feet total depth)	450	LF	\$ <u>75</u>	\$ <u>33,750</u>
19	Perform Electric and Deviation Logs	1	LS	\$ <u>4,000</u>	\$ <u>4,000</u>
20	Open Hole to 30-inch Diameter (to 500 feet total depth)	450	LF	\$ <u>40</u>	\$ <u>18,000</u>
21	F&I 18-inch Diameter Blank Casing	180	LF	\$ <u>58</u>	\$ <u>10,440</u>
22	F&I 18-inch Diameter Perforated Casing	310	LF	\$ <u>90</u>	\$ <u>27,900</u>
23	F&I 2-inch Diameter Sounding Tube	395	LF	\$ <u>12</u>	\$ <u>4,740</u>
24	F&I 3-inch Diameter Gravel Fill Pipe	125	LF	\$ <u>12</u>	\$ <u>1,500</u>
25	F&I Gravel Pack	380	LF	\$ <u>47</u>	\$ <u>17,860</u>
26	F&I Annular Seal	120	LF	\$ <u>50</u>	\$ <u>6,000</u>
27	Preliminary Development	36	HR	\$ <u>380</u>	\$ <u>13,680</u>
28	Mob/Demob Development Pump and Pump up to 40 Hours	1	LS	\$ <u>20,700</u>	\$ <u>20,700</u>
29	Additional Pump Development and Test Pumping	20	HR	\$ <u>250</u>	\$ <u>5,000</u>
30	Perform Video Log	1	LS	\$ <u>950</u>	\$ <u>950</u>
31	Construct Well Pump Foundation	1	LS	\$ <u>4,800</u>	\$ <u>4,800</u>
Well RW-102 Subtotal (Items 17-31)					\$ <u>192,320</u>

00310-3

CONSOLIDATED IRRIGATION DISTRICT
SOUTH & HIGHLAND BASIN PROJECT
RECOVERY WELLS CONTRACT

Item	Description	Quantity	Unit	Unit Price	Total
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TOTAL BASE BID (Items 1-31)					\$ <u>449,640</u>
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00310-4

Item	Description	Quantity	Unit	ENGINEER'S ESTIMATE		APPARENT LOW BIDDER	
				Unit Cost	Total	Unit Cost	Total
	Base Bid						
	General						
1	Mobilization/Demobilization, Bonds, Insurance, and Permits	1	LS	\$29,000 \$	29,000	\$	16,000
2	Worker Protection	1	LS	\$6,000 \$	6,000	\$	500
3	Miscellaneous Facilities & Operations	1	LS	\$29,000 \$	29,000	\$	21,000
	RW101						
4	F&I Gas Line and Pressure Regulator	1	LS	\$8,000 \$	8,000	\$	15,600
5	F&I Pump and Discharge Head	1	LS	\$57,000 \$	57,000	\$	65,000
6	Install Natural Gas Motor	1	LS	\$10,000 \$	10,000	\$	4,500
7	F&I Column, Tube and Shaft	400	LF	\$115 \$	46,000	\$	2,280
8	F&I Well Discharge Manifold	1	LS	\$20,000 \$	20,000	\$	29,500
9	Construct Sound Barrier	1	LS	\$6,000 \$	6,000	\$	12,675
10	Site Electrical	1	LS	\$114,000 \$	114,000	\$	92,300
11	Site Integration	1	LS	\$24,000 \$	24,000	\$	25,800
	RW102						
12	F&I Gas Line and Pressure Regulator	1	LS	\$8,000 \$	8,000	\$	15,600
13	F&I Pump and Discharge Head	1	LS	\$57,000 \$	57,000	\$	62,900
14	Install Natural Gas Motor	1	LS	\$10,000 \$	10,000	\$	4,500
15	F&I Column, Tube and Shaft	380	LF	\$115 \$	43,700	\$	2,166
16	F&I Well Discharge Manifold	1	LS	\$20,000 \$	20,000	\$	29,500
17	Construct Sound Barrier	1	LS	\$6,000 \$	6,000	\$	12,675
18	Site Electrical	1	LS	\$114,000 \$	114,000	\$	92,300
19	Site Integration	1	LS	\$24,000 \$	24,000	\$	25,800
Total Base Bid				Subtotal	\$ 631,700	Subtotal	\$ 530,596
Add Alternate Bid Items							
20	Construct Concrete Masonry Sound Barrier	1	LS	\$22,000 \$	22,000	\$	46,300
Total Base Bid + Additive Bid Items				Subtotal	\$ 653,700	Subtotal	\$ 551,546
Notes:				Bid Completeness			
(1)				Section 00310 - Bidders Proposal		X	
				Section 00313 - List of Subcontractors		X	
				Section 00314 - Materials Supplier Information		X	
				Section 00315 - Preliminary Construction Schedule		X	
				Section 00316 - Non-Collusion Affidavit		X	
				Section 00317 - P.C.C. Quest. On Disqual.		X	
				Section 00318 - P.C.C Statement on Contempt		X	
				Section 00324 - Workers Comp. Certificate		X	
				Section 00329 - Labor and Other Code Req. Cert.		X	
				Section 00340 - Pre-Qual Statement (form of deposit)		X	
				Executed Addendum No. 1		X	

STEVE DOVALI CONSTRUCTION CO.				SMITH CONSTRUCTION COMPANY, INC.			
Item	Description	Quantity	Unit	ENGINEER'S ESTIMATE		APPARENT LOW BIDDER	
				Unit Cost	Total	Unit Cost	Total
	Base Bid						
	General						
1	Mobilization/Demobilization, Bonds, Insurance, and Permits	1	LS	\$29,000 \$	29,000	\$	16,000
2	Worker Protection	1	LS	\$6,000 \$	6,000	\$	500
3	Miscellaneous Facilities & Operations	1	LS	\$29,000 \$	29,000	\$	21,000
	RW101						
4	F&I Gas Line and Pressure Regulator	1	LS	\$8,000 \$	8,000	\$	15,600
5	F&I Pump and Discharge Head	1	LS	\$57,000 \$	57,000	\$	65,000
6	Install Natural Gas Motor	1	LS	\$10,000 \$	10,000	\$	4,500
7	F&I Column, Tube and Shaft	400	LF	\$115 \$	46,000	\$	2,280
8	F&I Well Discharge Manifold	1	LS	\$20,000 \$	20,000	\$	29,500
9	Construct Sound Barrier	1	LS	\$6,000 \$	6,000	\$	12,675
10	Site Electrical	1	LS	\$114,000 \$	114,000	\$	92,300
11	Site Integration	1	LS	\$24,000 \$	24,000	\$	25,800
	RW102						
12	F&I Gas Line and Pressure Regulator	1	LS	\$8,000 \$	8,000	\$	15,600
13	F&I Pump and Discharge Head	1	LS	\$57,000 \$	57,000	\$	62,900
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15	F&I Column, Tube and Shaft	380	LF	\$115 \$	43,700	\$	2,166
16	F&I Well Discharge Manifold	1	LS	\$20,000 \$	20,000	\$	29,500
17	Construct Sound Barrier	1	LS	\$6,000 \$	6,000	\$	12,675
18	Site Electrical	1	LS	\$114,000 \$	114,000	\$	92,300
19	Site Integration	1	LS	\$24,000 \$	24,000	\$	25,800
Total Base Bid				Subtotal	\$ 631,700	Subtotal	\$ 530,596
Add Alternate Bid Items							
20	Construct Concrete Masonry Sound Barrier	1	LS	\$22,000 \$	22,000	\$	46,300
Total Base Bid + Additive Bid Items				Subtotal	\$ 653,700	Subtotal	\$ 551,546
Notes:				Bid Completeness			
(1)				Section 00310 - Bidders Proposal		X	
				Section 00313 - List of Subcontractors		X	
				Section 00314 - Materials Supplier Information		X	
				Section 00315 - Preliminary Construction Schedule		X	
				Section 00316 - Non-Collusion Affidavit		X	
				Section 00317 - P.C.C. Quest. On Disqual.		X	
				Section 00318 - P.C.C Statement on Contempt		X	
				Section 00324 - Workers Comp. Certificate		X	
				Section 00329 - Labor and Other Code Req. Cert.		X	
				Section 00340 - Pre-Qual Statement (form of deposit)		X	
				Executed Addendum No. 1		X	

CANVASS OF BIDS
Consolidated Irrigation District
South and Highland Basin
Monitoring Wells Construction

Bid Opening Date 9/8/2014
 Prevailing Wages Required YES

Project Manager Ronnie Samuelian
 Project Engineer _____

				APPARENT LOW BIDDER	
Item	Description	Quantity	Unit	TECHNICON	
				Unit Cost	Total
1	General Mobilization/Demobilization, Bonds, Insurance, & Permits	2	LS	1,935.00	\$ 3,870.00
2	Miscellaneous Facilities, Operations, Worker Protection, and USA	2	LS	500.00	\$ 1,000.00
Total General				Subtotal	\$ 4,870
3	MW-101 Drill 9-inch Diameter Borehole	175	LF	39.00	\$ 6,825.00
4	Electric Log (If Mud Rotary Equipment is Used)	1	LS	1,800.00	\$ 1,800.00
5	Furnish and Install 2-inch (nominal) Diameter Blank Casing	40	LF	3.00	\$ 120.00
6	Furnish and Install 2-inch (nominal) Diameter Perforated Casing	130	LF	4.00	\$ 520.00
7	Furnish and Install Monterey Sand Gravel Pack	145	LF	5.50	\$ 797.50
8	Construct Cement Grout Seal	25	LF	6.00	\$ 150.00
9	Construct Bentonite Seal	5	LF	6.00	\$ 30.00
10	Preliminary Well Development	1	LS	400.00	\$ 400.00
11	Well Development by Pumping	1	LS	1,600.00	\$ 1,600.00
12	Construct Above Ground Wellhead Facilities	1	LS	600.00	\$ 600.00
Total MW-101				Subtotal	\$ 12,842.50
13	MW-102 Drill 9-inch Diameter Borehole	175	LF	39.00	\$ 6,825.00
14	Electric Log (If Mud Rotary Equipment is Used)	1	LS	1,800.00	\$ 1,800.00
15	Furnish and Install 2-inch (nominal) Diameter Blank Casing	40	LF	3.00	\$ 120.00
16	Furnish and Install 2-inch (nominal) Diameter Perforated Casing	130	LF	4.00	\$ 520.00
17	Furnish and Install Monterey Sand Gravel Pack	145	LF	5.50	\$ 797.50
18	Construct Cement Grout Seal	25	LF	6.00	\$ 150.00
19	Construct Bentonite Seal	5	LF	6.00	\$ 30.00
20	Preliminary Well Development	1	LS	400.00	\$ 400.00
21	Well Development by Pumping	1	LS	1,600.00	\$ 1,600.00
22	Construct Above Ground Wellhead Facilities	1	LS	600.00	\$ 600.00
Total MW-102				Subtotal	\$ 12,842.50
Total Base Bid				Subtotal	\$ 30,555.00
ALTERNATIVE/ADDITIVE ITEMS					
23	Abandoned Borehole	175	LF	19.00	\$ 3,325.00
Total Alternative/Additive Items				Subtotal	\$ 3,325.00
Total Base Bid and Alternative/Additive				Subtotal	\$ 33,880.00



Remit Payment To:
BSK Associates
550 West Locust Avenue
Fresno, CA 93650
(559) 497-2888 ext. 111
Fax (559) 485-6935
Attn: Laboratory Accounting

FINAL INVOICE

Invoice Date: 11/11/2014
Invoice Number: A424876
Client Code: Provo1100
Invoice Total: \$315.00

Invoice To:

Janet Stephens
Provost and Pritchard - Clovis
286 W. Cromwell
Fresno, CA 93711-6162

Project Info:

Client: Provost and Pritchard - Clovis
Project Name: CID WQ Sampling

Work Order Info:

Received: 10/29/2014
BSK Rep: Michael Ng

Project Number: CID-South and Highland Basin, Baseline WQ Sampling
Project Mgr: Shay Overton
Bid: CID WQ Sampling 2014

Work Order(s): A4J2714

Analysis/Description	Quantity	Matrix	TAT	TAT Surcharge	Unit Cost	Extended Cost
Alkalinity as CaCO3	1	Water	STD		\$15.00	\$15.00
Aluminum, CA DW ICP Dissolved	1	Water	STD		\$7.00	\$7.00
Ammonia	1	Water	STD		\$35.00	\$35.00
Arsenic, CA DW ICPMS Dissolved	1	Water	STD		\$7.00	\$7.00
Boron, CA DW ICP Dissolved	1	Water	STD		\$7.00	\$7.00
Calcium, CA DW ICP Dissolved	1	Water	STD		\$7.00	\$7.00
Chloride	1	Water	STD		\$7.00	\$7.00
Copper, CA DW ICPMS Dissolved	1	Water	STD		\$7.00	\$7.00
EC, Conductivity	1	Water	STD		\$7.00	\$7.00
EPA 504.1 - (EDB/DBCP)	1	Water	STD		\$65.00	\$65.00
Gross Alpha	1	Water	STD		\$45.00	\$45.00
Iron, CA DW ICP Dissolved	1	Water	STD		\$7.00	\$7.00
Magnesium, CA DW ICP Dissolved	1	Water	STD		\$7.00	\$7.00
Manganese, CA DW ICP Dissolved	1	Water	STD		\$7.00	\$7.00
Nitrate-NO3	1	Water	STD		\$7.00	\$7.00
Orthophosphate-PO4	1	Water	STD		\$7.00	\$7.00
pH, Drinking and Wastewaters	1	Water	STD		\$7.00	\$7.00
Potassium, CA DW ICP Dissolved	1	Water	STD		\$7.00	\$7.00
Selenium, CA DW ICPMS Dissolved	1	Water	STD		\$7.00	\$7.00

BSK Associates accepts VISA/MC with \$25 minimum services.

NOTICE: PAY FROM THIS INVOICE. Payment due IN FULL thirty (30) days from 11/11/2014

All charges are due and payable in full upon receipt and are considered delinquent thirty (30) days from date of invoice. This is not intended to be a revolving credit transaction. Due to the difficulty and impracticality of ascertaining precise damages for the collection accounts not timely paid, delinquent accounts are subject to an interest charge of 83% per month (10% per annum) & a service/rebilling charge of 67% per month (8% per annum), for a combined monthly charge of 1.5% (18% per annum). BSK Associates (BSK Analytical Laboratories) shall be entitled to recover on delinquent accounts, costs of collection and attorney's fees incurred prior to or in litigation, & whether litigation is concluded in judgement, settlement, compromise or otherwise. FEDERAL TAX ID #: 94-1633676 Questions regarding invoice phone (559) 497-2888 ext. 111



Remit Payment To:
BSK Associates
550 West Locust Avenue
Fresno, CA 93650
(559) 497-2888 ext. 111
Fax (559) 485-6935
Attn: Laboratory Accounting

FINAL INVOICE

Invoice Date: 11/11/2014
Invoice Number: A424876
Client Code: Provo1100
Invoice Total: **\$315.00**

Analysis/Description	Quantity	Matrix	TAT	TAT Surcharge	Unit Cost	Extended Cost
Sodium, CA DW ICP Dissolved	1	Water	STD		\$7.00	\$7.00
Sulfate	1	Water	STD		\$7.00	\$7.00
TDS, Total Dissolved Solids	1	Water	STD		\$9.00	\$9.00
Zinc, CA DW ICPMS Dissolved	1	Water	STD		\$7.00	\$7.00
Additional Items						
Lab Filtration for Dissolved Metals	1				\$20.00	\$20.00

Invoice Total: \$315.00

BSK Associates accepts VISA/MC with \$25 minimum services.

NOTICE: PAY FROM THIS INVOICE. Payment due IN FULL thirty (30) days from 11/11/2014

All charges are due and payable in full upon receipt and are considered delinquent thirty (30) days from date of invoice. This is not intended to be a revolving credit transaction. Due to the difficulty and impracticability of ascertaining precise damages for the collection accounts not timely paid, delinquent accounts are subject to an interest charge of .83% per month (10% per annum) & a service/billing charge of .67% per month (8% per annum), for a combined monthly charge of 1.5% (18%/annum). BSK Associates (BSK Analytical Laboratories) shall be entitled to recover on delinquent accounts, costs of collection and attorney's fees incurred prior to or in litigation, & whether litigation is concluded in judgement, settlement, compromise, or otherwise. FEDERAL TAX ID #: 94-1633676 Questions regarding invoice phone (559) 497-2888 ext. 111

Labor Consultant Contract

This Agreement ("Agreement") made this July 23, 2013 by and between Richard Perez d.b.a. Labor Consultants of California (**CONSULTANT**) and Consolidated Irrigation District (**CLIENT**).

Now, therefore, the parties mutually agree as follows:

1. **Services:** The CONSULTANT agrees to provide the following consulting services:
 - Implementation and monitoring of Labor Compliance Program for construction of Client's South and Highland Recharge Project as specified in Exhibit A attached hereto. Specific construction disciplines to be monitored include, but are not limited to the following: Earthwork and Structures, Well Construction (drilling), Well Pumps and Motors and Monitoring Well Construction project.
2. **Compensation:**

Labor Consultants of California's hourly rate for consulting and prevailing wage monitoring services is charged at \$75.00 per hour **not to exceed** 30 hours per month or \$2,250 per month for the duration of the project.

Labor Consultants of California shall invoice the Client on a monthly basis and will include the number of hours worked with a brief description of the type of work that was provided;
3. **Term:** The CONSULTANT and CLIENT shall mutually agree to the final ending date of this Contract but shall not extend beyond completion of work by all contractors engaged in the construction of Client's South and Highland Recharge Project.
4. **Termination:** The services of the CONSULTANT shall start upon the execution of the Agreement without any break in consultant services and the work required shall be undertaken and completed in an expeditious and business-like manner. Failure to do so, or violation of any the covenants, agreements or stipulations of this Agreement by the CONSULTANT or the CLIENT shall give either CONSULTANT or CLIENT the right to terminate this Agreement provided the CONSULTANT or CLIENT is notified in writing five days prior to the effective termination date. If so terminated, CONSULTANT will have no further liability for services to be performed by CONSULTANT and CONSULTANT will only be paid for work performed to termination date and no further payments are due by CLIENT to CONSULTANT under this Agreement.
5. **Reporting:** The CONSULTANT shall periodically provide progress reports to CLIENT that may also include telephone calls, letters, emails or fax transmissions.

Proposed South and Highland Recharge Basins
January 4, 2013

BSK Proposal GF12- 8001R1
Page 4

SCHEDULE

Based on a preliminary schedule, the field exploration which includes coordination for site access, site marking and field exploration would take approximately 1 week to complete assuming there are no delays due to inclement weather conditions or site access issues. The geotechnical laboratory testing would be completed in 2 to 3 weeks after completing the field exploration. The engineering analyses and report preparation would be completed within approximately 2 to 3 weeks following the completion of laboratory tests.

FEES

The estimated fee for conducting the above scope of services is shown below.

Field Exploration	\$ 4,000
Laboratory Testing	\$ 3,500
Slope Stability and Seepage Analysis	\$ 2,500
Report Preparation	\$ 2,200
Estimated Fee	\$12,200

Review of Plans & Specifications	\$ 2,000
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Our fees will be based on our 2012 Fee Schedule and will be invoiced monthly based on the work completed during the invoice period. The estimate is based on our prior experience with the proposed field exploration and drilling, accordingly, the estimated fee presented above may vary. The greatest item susceptible to variation is the field exploration component and drilling.

CLOSING

It is understood that this is a preliminary cost estimate provided to Provost and Pritchard for estimating purposes only. A formal and more detailed proposal will be prepared when project scope and further information is provided to BSK. Please note, if changes occur in the design of the project, BSK should be notified in writing and given an opportunity to revise our scope of work.

BSK's will perform its services consistent with that level of care and skill ordinarily exercised by other consultants practicing in the same discipline and locale at the time the services are performed. No other warranties, either express or implied are provided.

**CONSOLIDATED IRRIGATION DISTRICT
ELECTRICAL ENGINEERING
PROPOSAL**

April 29, 2013

It is proposed to provide electrical engineering services to Provost & Pritchard for the Consolidated Irrigation District's Project for the design and construction of the electrical features of Recovery Wells. The services will include the electric services, equipment and instrumentation required for the operation of the project.

Design Services

The following electrical engineering services are anticipated:

Preliminary Design:

- Prepare Preliminary Single Line Diagram
- Prepare the engineering part of the electrical service application
- Participate in site visit (as required)
- Size Electrical Service
- Size soft starters
- Determine RTU configuration for SCADA system
- Determine Pump Unit Control Requirements
- Determine service conditions for electrical equipment

Prepare Bid Drawings

- Electrical Site Plan
- Complete Electrical Single Line Diagram
- Solid State Starter Control Schematic Diagram
- Motor Control Center Configuration
- Miscellaneous schematic diagrams
- Wire and Cable Schedules
- RTU Configuration Block Diagram
- Grounding Plan
- Miscellaneous Details

Prepare Bid Specifications in CSI Format

- Electrical Work – Section 16010
- Seismic Restraint for Electrical Equipment – Section 16012
- Raceway – Section 16110
- Low Voltage Wire and Cable – Section 16121
- Miscellaneous Electrical Work – Section 16130

**CONSOLIDATED IRRIGATION DISTRICT
ELECTRICAL ENGINEERING
PROPOSAL**

- Grounding Systems – Section 16150
- Motor Control Equipment - Section 16480
- Electric Service - Section 16490
- Instrumentation & RTU – Section 16910
- Field Testing and Operation – Section 16950

Furnish Bidding Services

- Reply to Contractor Questions
- Prepare Addendums
- Bid evaluation

Services During Construction

- Reply to RFI's
- Review Contractor Submittals
- Assist in Contractor testing as required
- Assist in placing pump stations into operation as required

Budget

Design Services - 120 hours
Construction Services - 60 hours

Hourly Rate

\$135

Richard
Hearth

Richard L. Hearth, P.E.

Digitally signed by Richard L. Hearth
DN: cn=Richard L. Hearth, o=RIIWE
Engineers, Inc., ou, email=rich-
hearth@richhearth.com, c=US
Date: 2013.05.01 1:14:52 -0700



3500 Shepherd Street, City of Industry, California 90601
Box 227044, Los Angeles, California 90022-0744

NG MOTORS
(1 OF 5)

QUOTATION

	Contact:		Quote #:	150056
To:	Company:	Provost & Pritchard	Quote Date:	February 5, 2015
	Address:		Terms:	Net Cash, see Notes
	City, Zip:		F.O.B.	Quinn Power Systems, Selma, CA – unload by others
	Phone:	Fax:	Sales Rep.:	Jim Kennedy
	Project Name:	G3306B TA 215 HP Natural Gas Engine	Prepared By:	Brian Bennett

Qty:	Description	Unit Price	Extension
1	New Caterpillar Model G3306B TA, ATAAC Gas Engine. Rated 215 BHP @ 1800 RPM without fan, Continuous. 12 Volt. Requires high-pressure (12-25 psig) pipeline natural gas supply.	\$ 68,846.10	\$ 68,846.10
	<u>Other Equipment:</u>		
<input checked="" type="checkbox"/>	Low Sulfur Natural Gas Engine Oil & Extended Life Coolant.	INCLUDED	
<input checked="" type="checkbox"/>	Radiator w/33" Suction Fan, and Fan Guard.	INCLUDED	
<input type="checkbox"/>			
<input type="checkbox"/>			
	<i>Quinn Power Systems is not responsible for on-site compliance testing to meet local air district requirements.</i>		
	<i>Installation by Others.</i>		
	<i>Installation Parts, Piping, Mounting, etc., not included.</i>		
	<i>Sales Tax not included.</i>		
The Tier 4 industrial engine quoted will require an approval audit by Quinn Power Systems to ensure the engine and aftertreatment components as installed comply with the final EPA-certified configuration. This approval audit is included in this quotation. Once the installation is approved, purchaser agrees not to change the design or components of the EPA-certified industrial engine configuration or connect the EPA-certified industrial engine configuration to another piece of equipment. Any change in design or connection to another piece of equipment would require another approval audit to ensure EPA-compliance, and costs associated with any additional approval audits are not included in this quotation.		Total Price (w/o Sales Tax):	\$ 68,846.10
Lead-Time: New order delivery is estimated at 18-20 weeks. Above dates are upon receipt of written order, acceptance, approval, and/or release of equipment. If other delivery options are required please call. Price and lead times subject to change without notice. There will be a 25% cancellation fee for any orders cancelled, once placed and accepted by Quinn Power Systems.			

BILL OF MATERIALS

Standard Consist for G3306 INL

NOTE

The G3306B is a spark ignited rich burn engines.
The G3306B features the ADEM A4 control system providing integrated ignition, air/fuel ratio control, speed governing, protection, and engine control.

AIR INLET SYSTEM

Air cleaner, intermediate duty, dry
Air cleaner rain cap (shipped loose)
Service indicator

CONTROL SYSTEM

G3306B - ADEM A4

COOLING SYSTEM

Radiator, w/33" Suction Fan, Fan Guard
Thermostats and housing, Full open temperature 97 C (207F)
ATAAC front mounted to radiator
Jacket water pump, gear driven, centrifugal, non-self-priming

EXHAUST SYSTEM

Exhaust manifolds, watercooled
Exhaust elbow, dry
Exhaust Flange – ANSI flange
NA - 102 mm (4 in)
Caterpillar supplied Three way catalyst

FLYWHEELS & FLYWHEEL HOUSINGS

Flywheel, SAE No. 11-1/2 or 14
Flywheel housing, SAE No. 1
SAE standard rotation

FUEL SYSTEM

Gas pressure regulator
TA - requires 82.7-172.4 kPa (12-25 psi) gas.
Natural gas carburetor
ADEM A4 air/fuel ratio control

IGNITION SYSTEM

G3306B - ADEM A4 ignition

ENGINE WARRANTY

The warranty period for new industrial engines, engines in a petroleum applications or Petroleum Power Systems (excluding petroleum fire pump application), or engines in a Locomotive application, or Uninterruptible Power Supply (UPS) systems, the warranty period is 12 months after date of delivery to the first user. If a defect in material or workmanship is found during the warranty period, Caterpillar will, during normal working hours and at a place of business of a Cat dealer or other source approved by Caterpillar: Provide (at Caterpillar's choice) new, Remanufactured, or Caterpillar approved repaired parts or assembled components needed to correct the defect; Replace lubricating oil, filters, coolant, and other service items made unusable by the defect; Provide reasonable and customary labor needed to correct the defect, including labor to disconnect the product from and reconnect the product to its attached equipment, mounting, and support systems, if required.

INSTRUMENTATION

Shipped loose. Enclosed, Advisor remote panel providing control system inputs for engine operation. Includes a 1" x 3.5" LCD screen for display of all major engine-operating parameters including control system diagnostic and event codes. Also includes colored lights indicating engine running, alarm, and shutdown conditions. Provides for remote speed control. Display units are user selectable for English or metric. Intended for remote mounting.

LUBE SYSTEM

Crankcase breather, top mounted
Oil cooler
Oil filter
Oil pan, full sump
Oil filler and dipstick

MOUNTING SYSTEM

Engine supports.

PROTECTION SYSTEM

ADEM A4 protection
The following include alarm and shutdown
- inlet manifold air temperature (TA engines only)
- inlet manifold air pressure
- oil pressure
- oil temperature
- coolant temperature
- engine speed (over speed)
- battery voltage
- catalyst inlet/outlet temperature (sensors shipped loose)
The following are display only
- service hours

STARTING SYSTEM

Electric Starter

GENERAL

Paint, Caterpillar Yellow
Crankshaft vibration damper and drive pulley
Lifting eyes

NOTE:

"Stationary Use Only Label": Effective January 2004, the US EPA Nonroad Mobile SI rule restricts the use of SI gas engines in the United States. Caterpillar's Gas Engines are not certified for mobile applications within the US and are to be used in "stationary use only" applications. All gas engines will have this label attached regardless of the dealer placing the order.

US EPA SI Stationary NSPS Regulations: (40CFR60 Subpart JJJJ):

The rule applies to newly built engines.

This standard regulates NO_x, CO, and VOC in United States for spark ignited natural gas engines. It is the customer's responsibility to coordinate and complete site emissions testing and submit for a US EPA certificate of compliance.

Effective July 1, 2010, the US EPA will enforce the new Spark Ignited New Source Performance Standard (SI NSPS) for stationary engines rated equal to or above 500 bhp. Effective January 1, 2011, this standard will be required for engines rated below 500 bhp.

AFRC ENGINES

Attachments will be available and some present attachment compatibility will be affected.

EPA Nonroad Mobile SI rule restricts the use of SI gas engines in the United States. Caterpillar's Gas Engines are not certified for mobile applications within the US and are to be used in "stationary use only" applications. All gas engines will have this label attached regardless of the dealer placing the order. "Stationary Use Only" label:

Effective January 2004, the US EPA Non-road Mobile SI rule restricts the use of SI gas engines within the United States. Caterpillar's Gas Engines are not certified for mobile applications within the US and are to be used in stationary use only applications that must be installed a minimum of twelve consecutive months at a location.

US EPA SI Stationary NSPS Regulations:

Effective July 2007, the US EPA will enforce the new Spark Ignited New Source Performance Standard (SI NSPS) for stationary engines rated equal to or above 500 bhp. Effective January 1, 2008, this standard will be required for engines rated below 500 bhp.

US EPA SI Stationary NSPS non-air fuel ratio site compliant capable:

The as-shipped non-air fuel ratio-controlled engine is capable of site-compliance by the customer and will require customer-specified and supplied 3-way catalyst and air fuel ratio control.

This designation is used to describe rich burn catalyst emission ratings intended for use with 3-way catalysts. It is the customer's responsibility to coordinate and complete site emissions testing to demonstrate compliance to the NSPS.

NOTES, EXCEPTIONS, CLARIFICATION

- Quotation is good for 30 days from quote date above, expires after that duration.
- Buyer is responsible for all taxes. The quotation provided herein is for information only, and is not a valid offer to sell unless signed by an officer of Quinn Power Systems in the space provided below. Any offer to sell or any offer accepted shall be subject to the Terms and Conditions page. Unless expressly stated on the face of this quotation, all prices, delivery schedules and product specifications are subject to change without notice.
- The equipment offered in this proposal is in accordance with verbal request. No written details, plans, specifications or drawings have been provided.
- Quotation does not include Sales Tax, any Air District or Building Permits, Off-loading or Crane Services, Installation or Anchoring, Initial Fuel fill or Test fuel, Major Testing unless otherwise specified in the Bill of Materials.
- Technician services are provided during normal business hours Monday through Friday.
- Once the installation is approved, purchaser agrees not to change the design or components of the EPA-certified industrial engine configuration or connect the EPA-certified industrial engine configuration to another piece of equipment. Any change in design or connection to another piece of equipment would require another approval audit to ensure EPA-compliance, and costs associated with any additional approval audits are not included in this quotation.



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Box 227044, Los Angeles, California 90022-0744

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QUOTATION

TERMS AND CONDITIONS

1. Acceptance of Order.

This Quotation is for Buyer's information only and is not a valid offer to sell unless signed by an authorized representative of Seller in the place provided on the face of this Quotation. Prices, terms, and conditions in an order from Buyer that are inconsistent with the prices, terms, and conditions of this Quotation, will be rejected by Seller, and are of no force and effect unless accepted in writing by Seller. Prices, delivery schedules, and the scope of work on this Quotation are subject to change at Seller's discretion.

2. Liability.

Seller's liability on any claim of any kind, including claims for negligence or for any loss or damage arising out of or connected with the manufacture, sale, delivery, resale, or use of any products covered by or furnished under any order shall be limited to those claims arising solely from the acts of Seller and Seller shall in no way be liable for any special, indirect, incidental, or consequential damages. Any claims against Seller for shortages in shipments shall be made in writing to Seller within fifteen (15) days of receipt of shipment by Buyer. Unless otherwise provided for in writing, Seller's responsibility for shipment ceases upon delivery to carrier, and any claims for shortage, delays, or damage occurring thereafter shall be made direct to carrier by Buyer. Seller shall not be liable for any delays in delivery attributable to strikes, labor disputes, lockouts, accidents, fires, delays in manufacture or in transportation, delays in delivery of component materials, floods, severe weather, Acts of God, embargoes, governmental actions, or any other cause beyond the reasonable control of Seller.

3. Shipments.

Unless otherwise specified, all risk of loss from the goods shall shift to Buyer at such time as the goods are delivered to a carrier for shipment to Buyer. Unless otherwise specified, shipment dates are approximate and all quoted prices exclude shipping costs. Shipment of goods under any order accepted by Seller shall be subject to the approval by Seller of Buyer's financial condition at the time of shipment. Whether or not terms of payment are specified elsewhere, Seller may, at its option, condition shipments under any order accepted by Seller upon receipt of satisfactory security or of cash prior to shipment. If, at Buyer's request, shipment of goods under any order accepted by Seller is delayed more than thirty (30) days after the shipment date specified in the order, or the date the goods are ready for shipment, whichever is later, Seller will require immediate payment in full and/or assess additional charges for the expenses incident to such delay.

4. Termination.

In the absence of a written agreement between Buyer and Seller expressing different terms and conditions as to termination, any order accepted by Seller may be terminated prior to completion by Buyer only upon written notice to Seller and payment of Seller's termination charges. If notice of termination is received by Seller after Seller has committed to buy the principal components for any order, termination charges shall include the total profit anticipated by Seller. Additionally, Buyer's instruction to Seller to stop work for thirty (30) days during the time specified for performance in any order may be construed by Seller as the equivalent of written notice of termination from Buyer and previous stipulations will be in effect.

5. Taxes.

Unless expressly stated, Seller's prices do not include sales, use, excise, or similar taxes, which Seller may be required to pay in filling Buyer's order. The amount of any applicable tax shall be paid by Buyer as an additional charge unless specifically included in any order accepted by Seller, or in lieu thereof, the Buyer shall provide Seller with a tax exemption certificate acceptable to the taxing authorities.

6. Patents.

Seller shall, at its own expense, defend and save Buyer harmless from the expenses and consequences of any suit or procedure brought against Buyer, based on a claim that the use or sale of goods specified in any order accepted by Seller constitutes an infringement of any United States letters of patent in existence on the date of any such order; provided Buyer promptly notifies Seller in writing and gives the necessary authorization, information and assistance for the defense of such a claim.

7. Changes.

Seller, and Seller's suppliers, may, at any time, without notice to Buyer, make changes (whether in design, materials, the addition of improvements, or otherwise) in any goods specified in any order accepted by Seller without incurring any obligation of any kind as a result thereof, but only to the extent that such change does not cause the goods specified to fail to meet Buyer's requirements. Buyer may, in its order, provide for changes in its requirements with provision for a corresponding equitable change in the price, if any; but in no instance shall Buyer make changes, which are substantially different from the scope of the original order accepted by Seller.

8. Export Sales.

In the event the goods and services specified in any order accepted by Seller are for export, the Buyer shall be responsible for securing export, import, and other licenses or authorizations as may be required. Important conditions for export transactions: This transaction is for the sale of equipment only, as requested and as detailed in this proposal. Not included is any startup assistance, field-testing, training, or any other services that might be required on site. Also not included is the responsibility of proper application and installation, installation audits, sea trials (if applicable), installation materials, and the installation itself. To ensure proper application, installation, and warranty integrity, you are encouraged to contact the receiving Caterpillar Dealer for these services. The costs of these services are not included in the sale price nor will Quinn Power Systems (QPS) be responsible for any such related costs.

9. Permits for Equipment Design, Installation and Operation.

As a supplier of equipment, Quinn Power Systems (QPS) disclaims responsibility for any and all permits or licenses necessary to design, install, or operate the equipment due to zoning, air quality, building or construction codes, use permits, or any similar type of permit, pertaining to Buyer's or Buyer's client's particular application of such equipment. Special attention should be given to the requirements of local air district rules and California Air Resources Board (CARB) regulations pertaining to permit requirements. As an equipment supplier, QPS is proposing equipment to specifications as indicated herein. If additional equipment or engine modifications are required beyond these specifications, such as additional equipment required for compliance by a local air district or CARB, those items are not included and are the responsibility of others. CARB Diesel Fuel, or other CARB-approved alternative fuel, is also required for compression ignition (CI) engines operated in California. When indicated in the bill of materials, the proposed equipment may be SCAQMD pre-approved as Certified Equipment. This certification does not eliminate the permit process or responsibility of others to obtain a permit. Procurement of Certified Equipment ensures the engine can be permitted by SCAQMD, and reduces the permit processing fees and time necessary to obtain the permit.

10. Additional material.

Only those items listed in this Quotation are included with any order. For example, unless specifically identified in this Quotation, the following items are not included with any purchased equipment: any exhaust or fuel piping, main fuel tank, fuel, duct work, special tools, insulation, wiring, cable, bus duct, concrete, anchor bolts,



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QUOTATION

rigging, or any material or labor incidental to the installation itself. Buyer specifically assumes responsibility for the provision of any such items if not specifically identified in the Quotation.

11. Hours of services.

When included, delivery, startup assistance, field testing, training, or any other services required on site will be provided during the normal weekday working hours of 7:00 am to 4:30 pm. Delivery or services occurring at any other time, weekends or holidays, is subject to premium charges.

12. Warranty.

Terms and conditions of Caterpillar warranty apply. The Manufacturers' warranties are exclusive and in lieu of all other warranties either oral or written, express or implied, including but not limited to any warranty of merchantability or fitness for a particular purpose. QPS is not a manufacturer and makes no warranty and shall not, under any circumstances, be liable for any indirect, special, incidental, or consequential damages including but not limited to loss of production, loss of profit, loss of use or business interruption, or any other economic loss, whether arising from contract, tort, strict liability, or any other theory of law.

13. Terms.

Terms of payment are due upon receipt of invoice with no deductions of any kind for retentions, setoffs, discounts, or other similar items. Per Company procedure, QPS will file a California "Preliminary 20-day notice" pursuant to Section 3097 of the California Civil Code.

14. Cost additives.

A: Unit Cost.

Quotation prices are valid for 30 days only and are based on current market prices as of date of quotation. The Seller reserves the right to adjust the final invoice with a price escalation up to 6% due to 1) purchase orders being received after expiration of quotation, 2) fluctuations in raw materials market prices at time of order, 3) labor rate increases at time of scheduled field services, 4) delays in submittal approvals and/or release of equipment, or 5) additional items or services provided that were not included as part of the original quotation. Final invoicing can and may take place up to a year or more from original quotation date.

B: Delays.

If delivery is delayed by customer (Buyer) beyond original shipment date, purchase price is due 30 days after original shipment date and a "Storage and Handling" charge will be applied and due each month until delivery. Finance charge of 1.5% per month (not to exceed the maximum allowed by law) is applicable on any amounts arising hereunder or in connection herewith that are not paid when due.

C: Start up.

If construction of the facility or other delays are experienced or expected, which prohibit the initial startup of the equipment beyond one year from delivery, additional costs should be anticipated. Additional costs might include, but not be limited to, long-term storage preparation, inspection charges, parts, service, etc.

15. Lead Times.

Lead times are based on manufacturer's estimated timetables. Project completion time may vary due to delays in receipt of purchase orders, submittal approval, release of equipment, manufacturer's unforeseen delays in production, or holiday schedules. Project completion time frame cannot be guaranteed.

16. Governing Law and Venue.

The rights and obligations of the parties with respect to the transactions contemplated by this Quotation shall be governed in all respects by the laws of the State of California. The parties hereto irrevocably agree that the exclusive venue for any litigation arising in connection with the transactions specified in this Quotation shall be in the courts located in the County of Los Angeles, California.

17. Attorneys' Fees and Costs.

In the event of any legal action, controversy, claim, or dispute between the parties involving the transactions contemplated by this Quotation, the prevailing party shall be entitled to recover from the other party reasonable expenses, attorneys' fees, and costs.

ACCEPTED

By: _____

Company: _____

Date: _____

P.O. #: _____

SUBMITTED

By: Jim Kennedy

Quinn Power Systems

Phone: 559-891-5402

Attachment 4b
April 2015 Treasurer's Report

[illegible]

Attachment 4c
Comparables

Attachment 4c - Comparable Sales						
#	APN	Sale Date	Sale Price	Lot Area (Acres)	\$/Acre	Notes
Project Property	353-030-07,58,64,65	option - pending	\$1,422,200	54.7	\$26,000	
Comp 1	393-090-74	9/15/2014	\$300,000	15	\$20,000	
Comp 2	393-090-09	3/17/2015	\$225,000	10	\$22,500	
Comp 3	333-310-32	11/25/2014	\$1,000,000	43.2	\$23,148	
Comp 4	345-140-29	1/22/2015	\$450,000	20	\$22,500	
Comp 5	348-080-24	4/28/2015	\$780,000	19.46	\$40,082	Orchard with 1,080sf dwelling
Comp 6	056-040-27	11/21/2014	\$570,000	17.38	\$32,796	Orchard with 1,000sf structure
Comp 7	158-130-40	12/17/2014	\$850,000	19.23	\$44,202	Citrus with 1,184sf dwelling
		Average \$/acre of Comparables =			\$28,939	
Notes: Data from Realquest.com Report for comparables to subject property as of 7/31/15.						

Notes: Data from Realquest.com Report for comparables to subject property as of 7/31/15.